

INDEX.

A.

ANNOUNCEMENTS.

- "A Reinforced Concrete Stand-Pipe," presented and discussed, 575.
- ABBOTT, CARL PRESCOTT.—Elected an Associate Member, 262.
- Accessions to the Library, 35, 135, 173, 218, 272, 326, 433, 486, 540, 586.
- ADEY, JOHN SEAGER.—Transferred to Grade of Associate Member, 478.
- ALDERMAN, ERNEST SAMUEL.—Elected a Junior, 477.
- ALLAIRE, DOUGLAS ANTHONY. — Elected a Junior, 316.
- ALLEN, CHARLES KYES.—Elected a Member, 530.
- ALLEN, CHARLES METCALF.—Transferred to Grade of Member, 209.
- ALLEN, CHARLES ROLLIN, JR.—Elected an Associate Member, 312.
- ALLEN, HERMON CHARLES.—Elected a Member, 262.
- ALLEN, JEAN MARCH.—Elected an Associate Member, 70.
- ALLEN, KENNETH.—Discussion by, 311.
- ALLEN, WALTER HENRY.—Elected an Associate Member, 2.
- ALVAREZ, ARTHUR CARL.—Elected a Junior, 577.
- ALVORD, JOHN W., and LEONARD METCALF.—Paper by, 208.
- AMADON, FREDERICK WEBBER. — Elected a Junior, 316.
- Amendment to Constitution.—Text of, 67, 83; Discussion on, 67, 83; Appointment of Tellers to Canvass Ballot on, 164; Report of Tellers Appointed to Canvass Ballot on, 164.
- ANDERS, FRANK LaFAYETTE.—Elected an Associate Member, 312.
- ANDERSON, JOHN GUNERIUS.—Elected an Associate Member, 165.
- ANDREW, CLARENCE RAYMOND. — Elected an Associate Member, 208.
- ANDREWS, GEORGE CROWELL.—Transferred to Grade of Associate Member, 317.
- ANGWIN, HENRY RAYMOND.—Elected a Junior, 531.
- Announcements, 6, 130, 168, 211, 266, 319, 428, 480, 534, 580.
- Annual Convention, 43d.—Time and Place Announced, 167; Appointment of Committees of Arrangements for, 210, 211; Minutes of Meetings of, 409, 410, 415, 417; Excursions and Entertainments at, 425; Attendance at, 426.
- Annual Convention, 44th.—Report of Secretary Relative to Time and Place for Holding, 410, 417.
- Annual Meeting.—Minutes of, 65, 74; Minutes of Special Meetings for Topical Discussion on Road Construction and Maintenance, Held in Connection with, 68, 69; Announcements at, 83, 104; Excursions and Entertainments at, 119; Attendance at, 119; Committee on Arrangements for, 580.
- ANSCHUETZ, OTTO WILLIAM JULIUS.—Elected a Junior, 263.
- APPEL, FRANK J.—Discussion by, 69.
- ARCHIBALD, WARREN MARTIN.—Transferred to Grade of Member, 3.
- AREY, RALPH JESSE.—Elected a Member, 262.
- ARLEDGE, ARTHUR EDWARD.—Elected an Associate Member, 262.
- ARMSTRONG, A. F.—Discussion by, 69.
- ARMSTRONG, JAMES WADSWORTH.—Elected a Member, 411.
- ARRINGTON, JOHN.—Elected an Associate Member, 165.
- ASHBROOK, CHESTER DANIEL.—Transferred to Grade of Associate Member, 314.
- ATKINSON, JOHN BOND.—Death announced, 478.
- ATKINSON, TIMOTHY RALPH.—Elected a Member, 208.
- ATWOOD, THOMAS CLARK.—Transferred to Grade of Member, 532.
- AURYANSEN, F.—Discussion by, 530.
- AXTELL, FRANK FOY.—Elected an Associate Member, 312.
- AYERS, AUGUSTINE HAINES.—Elected an Associate Member, 476.
- BACON, THEODORE HASTINGS.—Elected a Member, 312.

BAILEY.

- BAILEY, CHARLES LESTER.—Elected an Associate Member, 262.
- BAILEY, THOMAS SHERWOOD.—Elected a Junior, 166.
- BALDWIN, GEORGE CLYDE.—Elected an Associate Member, 208.
- BANKS, HUGH CUNNINGHAM. — Elected a Member, 312.
- BARKER, LUDLOW OSMOND, JR.—Transferred to Grade of Associate Member, 532.
- BARNES, WILLIAM THOMAS.—Transferred to the Grade of Member, 478.
- BARNETT, ROBERT CRARY.—Transferred to Grade of Member, 3.
- BARROWS, GEORGE ELLSWORTH.—Elected an Associate Member, 262.
- BARTHOLOMEW, TRACY.—Elected a Junior, 3.
- BARTLETT, HENRY EMMETT.—Elected a Member, 315.
- BARTLETT, WILLIAM ANDREWS.—Elected a Junior, 71.
- BASS, FRED THOMSON.—Elected an Associate Member, 262.
- BASS, FREDERIC HERBERT.—Transferred to Grade of Member, 412.
- BATSON, CHARLES DREWRY.—Elected an Associate Member, 476.
- BEALL, PENDLETON.—Elected a Junior, 313.
- BEAN, PAUL JONES.—Elected a Junior, 263.
- BEEBE, HENRY RUMRILL.—Elected an Associate Member, 263.
- BEEBE, JAMES WILBUR.—Elected an Associate Member, 576.
- BEGGS, GEORGE ERLE.—Elected a Junior, 477.
- BELCHER, DONALD MINOR.—Elected an Associate Member, 530.
- BELKNAP, ROBERT ERNEST.—Elected an Associate, 3.
- BELKNAP, WILLIAM E.—On Publication Committee, 72; On Committee of Arrangements for Annual Convention, 211; Presides at Meeting, 575.
- BELL, GEORGE JOSEPH.—Death announced, 532.
- BELL, HENRY PURDON.—Death announced, 2.
- BELL, JOSEPH EDGAR.—Elected an Associate Member, 476.

BELLAMY.

- BELLAMY, HERBERT ERNEST.—Elected an Associate Member, 476.
- BEMAN, R. D.—Discussion by, 69.
- BENEDICT, FARRAND NORTHROP.—Transferred to Grade of Associate Member, 264.
- BENEDICT, HAROLD WILLOUGHBY.—Elected an Associate Member, 2.
- BENSEL, JOHN A.—Presides at Meeting, 65, 74.
- BERRY, HERMAN CLAUDE.—Elected an Associate Member, 530.
- BETTS, E. E.—On Committee of Arrangements for Annual Convention, 211.
- BINCKLEY, GEORGE S.—Discussion by, 70.
- BISHOP, HUBERT K.—Discussion by, 69.
- BISHOP, LYMAN EDGAR.—Paper by, 475; Discussion by, 475; Transferred to Grade of Associate Member, 532.
- BIXBY, FREDERICK LOUIS.—Elected an Associate Member, 312.
- BLACK, JAMES BUCKLEY.—Elected a Junior, 313.
- BLAIR, CLARENCE MOORE.—Elected an Associate Member, 576.
- BLAKESLEE, HAROLD LAW.—Elected a Junior, 577.
- BLANCHARD, A. H.—Presents Progress Report of Special Committee on Bituminous Materials for Road Construction, 66, 82; Discussion by, 68, 69.
- BLEISTEIN, BERNARD JOSEPH.—Elected a Junior, 209.
- BLIGHT, ARTHUR FREDERICK.—Elected a Junior, 166.
- BLOEMKER, HAROLD WILLIAM.—Elected a Junior, 531.
- Board of Direction.—Report of, 19, 65, 74; Resolutions of, Relative to the Licensing of Civil Engineers, 4, 7, 67; Report of, Relative to the Licensing of Civil Engineers, 7, 67, 87; Discussion on Report of, Relative to Licensing Civil Engineers, 67, 88; Instructions of, to Sub-Committees on the Licensing of Civil Engineers, 73.
- BOLLER, ALFRED P.—Elected Vice-President, 68, 102; On Library Committee, 72.

BOOTH.

- BOOTH, RAYMOND.—Elected a Junior, 316.
- BOSCHKE, GUY.—Elected an Associate Member, 165.
- BOSLER, H. S.—On Committee of Arrangements for Annual Convention, 211.
- BOSSERT, CARL DONALD.—Elected a Junior, 531.
- BOUILLON, ARTHUR MAXIMILIEN.—Elected an Associate Member, 312.
- BOWERMAN, EDWIN ROY.—Elected a Junior, 3.
- BOWLES, CLAYTON WASS.—Elected an Associate Member, 2.
- BOWMAN, AUSTIN L.—Presents Progress Report of Special Committee on Steel Columns and Struts, 66, 77; Presides at Meeting, 163, 261, 262, 312; On Committee of Arrangements for Annual Meeting, 580.
- BOWMAN, RALPH McLANE.—Elected a Junior, 166.
- BRADBURY, RICHARD ROBERTSON.—Elected an Associate Member, 70.
- BRAINARD, ALBERT SERENO.—Transferred to Grade of Associate Member, 314.
- BRAUNE, J. S.—Discussion by, 261.
- BRAUNWORTH, PERCY LEWIS.—Elected an Associate Member, 2.
- BREED, CHARLES BLANEY.—Transferred to Grade of Member, 209.
- BREUCHAUD, JULES ROWLEY.—Transferred to Grade of Associate Member, 264.
- BRIGGS, ROSWELL EMMONS.—Death announced, 315.
- BRINGHURST, JOHN HENRY.—Elected a Junior, 3.
- BRITTAİN, KARL WALTHALL.—Elected a Junior, 3.
- BROCK, DAVID MORRICE.—Elected an Associate Member, 411.
- BROOKS, WALTER FREEMAN.—Elected a Member, 315.
- BROWN, CLARENCE COWGILL.—Elected a Junior, 166.
- BROWN, ELLIOT CHIPMAN.—Elected an Associate Member, 530.
- BROWN, GROVER CHARLES.—Transferred to Grade of Associate Member, 264.
- BROWN, ROY HUNTLEY.—Elected an Associate Member, 530.

BROWN.

- BROWN, WILLIAM.—Elected a Member, 476.
- BROWN, WILLIAM ALDEN.—Elected an Associate, 263.
- BROWNE, WILLIAM LYON.—Elected a Member, 70.
- BROWNE, WILLIAM ROBERT.—Death announced, 2.
- BROWNLEE, JAMES LAWRENCE.—Elected an Associate Member, 165.
- BRUNNIER, HENRY JOHN.—Elected an Associate Member, 2.
- BRYAN, GEORGE, JR.—Elected a Junior, 3.
- BRYAN, LEMUEL BERRY JOSEPH.—Elected an Associate Member, 476.
- BUCK, R. S.—Discussion by, 530.
- BUCK, ROSS JUDSON.—Elected a Junior, 316.
- BUEHLER, WALTER.—Paper by, 1.
- BUEL, ALBERT WELLS.—Elected a Member, 411.
- BUERGER, CHARLES BERNARD.—Elected an Associate Member, 208; Discussion by, 262, 311, 410, 476.
- BURDICK, CHARLES BAKER.—Transferred to Grade of Member, 317.
- BURGESS, PHILIP.—Transferred to Grade of Member, 317.
- BURNETTE, CHAUNCEY ALLISON.—Elected an Associate Member, 312.
- BURNS, CLINTON S.—Discussion by, 208.
- BURPEE, GEORGE WILLIAM.—Transferred to Grade of Associate Member, 413.
- BURTON, WILLIAM ARTHUR.—Elected a Junior, 313.
- BUSH, EDWARD W.—Appointed Teller to Canvass Ballot on Proposed Amendment to the Constitution, 164.
- BUSH, LINCOLN.—Nominated as Director, 481.
- BUSHNELL, HOWARD EMORY.—Transferred to Grade of Associate Member, 314.
- BUTCHER, WILLIAM LARAMY.—Transferred to Grade of Member, 3.
- BUTLER, MILLARD ANGLE.—Elected an Associate Member, 2.
- BYERS, MAXWELL CUNNINGHAM.—Elected a Member, 312.

BYLLESBY.

- BYLLESBY, H. M.—On Committee on the Valuation of Railroad Property and Other Public Utilities, 479.
- CAHILL, JAMES EDWARD.—Transferred to Grade of Associate Member, 478.
- CAHN, ELIAS.—Elected an Associate Member, 313.
- CAIN, WILLIAM.—Nominated as Director, 481.
- CALDWELL, CHARLES ADOLPHUS. — Elected a Member, 411.
- CALDWELL, GEORGE BOWERS.—Death announced, 210.
- CAMPBELL, J. L.—Discussion by, 576.
- CAPLES, M. J.—On Nominating Committee, 66, 77.
- CARBAJAL, FERNANDO. — Transferred to Grade of Member, 478.
- CABLE, NATHANIEL ALLEN.—Elected a Member, 208.
- CARPENTER, A. W.—Discussion by, 261.
- CARPENTER, JAMES WILHELM. — Elected a Junior, 166.
- CARPENTER, ROLLA CLINTON.—Elected a Member, 208.
- CARSON, H. A.—Discussion by, 476.
- CARSON, W. W.—On Committee of Arrangements for Annual Convention, 211.
- CARTER, ALFRED ELLSWORTH.—Transferred to Grade of Member, 209.
- CARTER, CLARENCE ELMORE.—Elected an Associate Member, 476.
- CARVEN, CHRISTOPHER JAMES. — Elected a Member, 208.
- CASLER, MELVIN DAVID.—Elected an Associate Member, 411.
- CASTILLO Y GRAU, ANTONIO.—Elected a Junior, 313.
- CATTELL, W. A.—Nominated as Director, 481.
- Cement, Committee on Uniform Tests of.—Reports of, 66, 81, 105.
- CHADWICK, CHESTER ROBERT.—Transferred to Grade of Associate Member, 166.
- CHAMBERLAIN, JOSEPH JENKS, JR.—Elected a Junior, 477.
- CHAMBERS, HERBERT JAMES.—Transferred to Grade of Member, 3.
- CHEW, RICHARD SANDERS.—Transferred to Grade of Member, 317.

CHRISTIAN.

- CHRISTIAN, WILLIAM ARNOLD. — Elected a Member, 476.
- CHRISTIE, HANS LANGSTED.—Elected an Associate Member, 165.
- CHRISTIE, JAMES.—Discussion by, 261; Death announced, 413.
- CHURCH, HARTLEY ROBERT.—Elected an Associate Member, 313.
- CHURCHILL, CHARLES S.—Nominated as Vice-President, 481; Discussion by, 529.
- CHURCHILL, JOHN PIERCE.—Elected a Member, 530.
- Civil Engineers, Licensing of.—Resolutions of the Board of Direction Relative to, 4, 7, 67; Proposed Form of Bill for, 7; Report of Board of Direction Relative to, 7, 67, 87; Discussion on Report of Board of Direction Relative to, 67, 88; Motion Relative to, 67, 101; Instructions of Board of Direction to Sub-Committees Relative to, 73.
- CLACK, JAMES MORGAN.—Elected an Associate Member, 530.
- CLAFLIN, FRED WINSLOW.—Elected an Associate Member, 313.
- CLARK, LE ROY WALTER. — Transferred to Grade of Associate Member, 210.
- CLARK, WATSON G.—Discussion by, 69.
- CLARKE, GEORGE C.—Elected Director, 68, 102; On Publication Committee, 72.
- CLAWITER, EDWARD IVAN.—Elected an Associate Member, 315.
- CLIFFORD, REGINALD GEORGE.—Elected an Associate Member, 315.
- CLIFFORD, W. W.—Paper by, 575.
- CLIFT, WILLIAM BROOKS.—Elected a Junior, 531.
- CLOSSON, EDGAR STONE.—Transferred to Grade of Associate Member, 264.
- COE, THOMAS HAMILTON.—Elected a Member, 208.
- COHEN, JACOB XENAB.—Elected a Junior, 477.
- COLE, ERNEST DELAVAN.—Elected a Junior, 531.
- COLLAR, WILLIAM FRANKLIN.—Transferred to Grade of Associate Member, 4.
- COLLIER, WILLIAM NEVILLE.—Elected an Associate Member, 263.

COLLINGWOOD.

- COLLINGWOOD, FRANCIS.—Death announced, 413.
- COLLINS, THOMAS EDWARD.—Elected an Associate Member, 313.
- COLLINS, WALES SMITH.—Elected an Associate Member, 165.
- COLMAN, WILLIAM TUCKER.—Elected an Associate Member, 577.
- Colorado Association of Members of the American Society of Civil Engineers.—Abstract of Minutes of Meetings of, 14, 171, 216, 269, 324, 483, 537.
- Committee on Arrangements for Annual Meeting.—Appointment of, 580.
- Committee on Arrangements for Participation in XIIth International Congress of Navigation, 1912.—Appointment of, 318.
- Committee on Bituminous Materials for Road Construction.—Progress Report of, 66, 82.
- Committee on Engineering Education.—Progress Report of, 66, 79.
- Committee on Finance.—Appointment of, 72.
- Committee on Library.—Appointment of, 72.
- Committee on Nominations.—Appointment of, 66, 76; Distribution of Membership into Geographical Districts for Purposes of, 210, 212; Presents List of Nominees, 481.
- Committee on Publications.—Appointment of, 72.
- Committee on Steel Columns and Struts.—Progress Report of, 66, 78.
- Committee on Uniform Tests of Cement.—Reports of, 66, 81, 105.
- Committee to Formulate Principles and Methods for the Valuation of Railroad Property and Other Public Utilities.—Resolution Relative to Appointment of, 67, 101; Sub-Committee Appointed to Suggest Personnel of, 210; Appointment of, 479; Appropriation for, 579.
- Committee to Recommend the Award of Prizes.—Report of, 5, 66, 75.
- Committees of Arrangements for Annual Convention.—Appointment of, 210, 211.
- COMPTON, R. K.—Discussion by, 69.

COMSTOCK.

- COMSTOCK, ARTHUR FRANCIS.—Elected an Associate Member, 208.
- CONGDON, JOHN POTTER.—Transferred to Grade of Member, 412.
- CONNELL, WILLIAM HENRY.—Discussion by, 69; Elected an Associate Member, 208.
- CONNOR, EDWARD JAMES.—Elected an Associate, 71.
- Constitution, Proposed Amendment to.—Text of, 67, 83; Discussion on, 67, 83; Appointment of Tellers to Canvass Ballot on, 164; Report of Tellers Appointed to Canvass Ballot on, 164.
- CONVERSE, W. H.—On Committee of Arrangements for Annual Convention, 211.
- CONWAY, GEORGE ROBERT GRAHAM.—Paper by, 70.
- COOK, PAUL DARWIN.—Elected an Associate Member, 70.
- COOKINHAM, RICHARD SHERMAN.—Elected an Associate Member, 315.
- COOLEY, MORTIMER ELWYN.—Elected a Member, 262.
- COOMBS, R. D.—Appointed Teller to Canvass Ballot on Proposed Amendment to the Constitution, 164; Discussion by, 530.
- COOPER, RAY DE FOREST.—Elected an Associate Member, 208.
- COPELAND, FREDERICK LUCIUS.—Transferred to Grade of Associate Member, 71.
- CORBALEY, CHARLES WILLIAM.—Elected an Associate, 165.
- CORTELYOU, SPENCER VAN ZANDT.—Elected an Associate Member, 208.
- COTHRAN, THOMAS WHITE.—Transferred to Grade of Member, 166.
- COTTON, FRANK.—Elected an Associate Member, 70.
- COURTENAY, WILLIAM H.—Elected Director, 68, 102; On Committee of Arrangements for Annual Convention, 211.
- COVERDALE, WILLIAM HUGH.—Transferred to Grade of Member, 317.
- COWAN, HENRY EDWIN.—Elected an Associate Member, 165.
- COWIE, HARRY JAMES.—Elected an Associate Member, 165.

COX.

- COX, HENRY JOHN.—Elected an Associate Member, 263.
- COY, BURGESS GREENACRE.—Elected an Associate Member, 208.
- CRARY, ALEXANDER PATTON.—Elected an Associate Member, 315.
- CRAWFORD, CHARLES JOHN.—Elected an Associate Member, 7.
- CROCKER, FOSTER BALDWIN.—Elected a Junior, 316.
- CROCKER, JAMES ROGER.—Elected an Associate Member, 313.
- CROMWELL, GEORGE.—Elected an Associate Member, 476.
- CROOKS, CLINTON HERVEY.—Transferred to Grade of Associate Member, 413.
- CROSBY, W. W.—Discussion by, 68, 69.
- CROSS, JOHN HALSEY.—Elected an Associate Member, 411.
- CROTTY, JOHN JAMES.—Elected a Junior, 313.
- CROWELL, FOSTER.—Presides at Meeting, 576.
- CULLEY, MASSENA LARON.—Elected a Junior, 577.
- CUMMINGS, ELMORE DAVID.—Transferred to Grade of Member, 317.
- CUNNINGHAM, WILLIAM AUGUSTINE.—Elected a Junior, 316.
- Current Engineering Literature, 44, 141, 184, 235, 286, 357, 447, 502, 554, 597.
- CURTIS, VARNUM PIERCE.—Transferred to Grade of Member, 264.
- CYKLER, EMIL FRANK.—Elected a Junior, 531.
- DAAE, HANS ANDREAS.—Elected an Associate Member, 315.
- DABNEY, T. G.—On Committee of Arrangements for Annual Convention, 211.
- DAHLIN, JOHN EDWARD BARTHOLOMEW.—Elected an Associate Member, 530.
- DAMON, ALBERT FORSTER, JR.—Elected a Member, 476.
- "Dams on Sand Foundations: Some Principles Involved in Their Design, and the Law Governing the Depth of Penetration Required for Sheet-Piling," presented and discussed, 207.

DANN.

- DANN, ALEXANDER WILLIAM.—Transferred to Grade of Associate Member, 578.
- DATZ, LOUIS CHRISTIAN WILLIAM.—Elected an Associate Member, 316.
- DAVIES, J. V.—Discussion by, 529.
- DAVIES, JOHN PERCIVAL.—Elected an Associate Member, 263.
- DAVILA, LORENZO JUAN.—Elected a Junior, 316.
- DAVIS, CHARLES MOSS.—Transferred to Grade of Associate Member, 478.
- DAVIS, DANIEL ELIAS.—Elected a Junior, 166.
- DAVIS, EDSON JOSEPH.—Elected an Associate Member, 476.
- DAVIS, JAMES L.—Appointed Teller to Canvass Ballot for Officers, 65, 74.
- DEAN, A. L.—Discussion by, 1.
- DEAN, ARTHUR W.—Discussion by, 69.
- DELANO, HARRY CLARK.—Elected a Member, 2.
- DESSERTY, FLOYD GOSSETT.—Elected an Associate Member, 165.
- DEWEESE, BERNARD DALL.—Elected an Associate Member, 263.
- DEWELL, HARRY DIEVENDORF.—Elected an Associate Member, 263.
- DIECK, ROBERT GEORGE.—Transferred to Grade of Member, 166; Discussion by, 576.
- DIEHL, GEORGE C.—Discussion by, 69.
- DIGBY, JOSEPH HERBERT.—Elected an Associate Member, 476.
- DILWORTH, EDWARD COE.—Elected an Associate, 313.
- DOBSON, GILBERT COLFAX.—Elected an Associate Member, 263.
- DODGE, MOTT V.—Elected an Associate Member, 208.
- DOERING, ALOYSIUS HENRY.—Elected a Junior, 209.
- DONLE, EARL RAYMOND.—Elected a Junior, 531.
- DOOLITTLE, HAROLD JAMES.—Elected an Associate Member, 313; Discussion by, 475.
- D'ORNELLAS, CHARLES EVARISTE.—Elected a Member, 476.
- DOUGLAS, BENJAMIN.—Death announced, 578.

DOUGLAS.

- DOUGLAS, W. J., and EUGENE KLAPP. —Paper by, 530.
- DOUTHITT, MERTON JAMES.—Elected a Junior, 313.
- DOW, EDWIN ARTHUR.—Elected a Junior, 531.
- DOZIER, MELVILLE, JR.—Elected a Junior, 530.
- DRAKE, RALPH EDMUND.—Elected a Junior, 71.
- DRISCOLL, MICHAEL.—Discussion by, 69.
- DROWNE, HENRY B.—Discussion by, 68.
- DUFF, CARL MATHIAS.—Elected a Junior, 412.
- DUFRESNE, ALEXANDER RITCHIE.—Elected a Member, 70.
- DUIS, FREDERICK BERNHARDT.—Transferred to Grade of Member, 3.
- DUNHAM, H. F.—Discussion by, 262, 476, 530.
- DUNLAP, WALTER HANNA.—Elected a Junior, 531.
- DUNMIRE, ELIJAH HERBERT.—Transferred to Grade of Associate Member, 478.
- DURANT, ALDRICH.—Elected an Associate Member, 531.
- EARLY, PERCY WALKER.—Elected a Member, 2.
- EBERLY, VIRGIL ALLEN.—Elected a Junior, 313.
- ECKART, NELSON ANDREW.—Transferred to Grade of Member, 3.
- ECKLES, HARRY EDWARD.—Elected a Member, 576.
- "Economic Canal Location in Uniform Countries," presented and discussed, 475.
- EDMONDSON, RALPH SELDEN.—Elected an Associate Member, 313.
- EDWARDS, WILLIAM WATKYN.—Elected an Associate Member, 476.
- EDY, JOHN NORTH.—Elected a Junior, 531.
- ELAM, WILLIAM EARL.—Transferred to Grade of Associate Member, 532.
- ELDER, ERNEST HARTWELL.—Elected an Associate Member, 316.
- ELDRIDGE, MAURICE OWEN.—Elected an Associate Member, 208.

ELLIOTT.

- ELLIOTT, GEORGE ALEXANDER MILLER.—Elected an Associate Member, 411.
- ELLIS, F. E.—Discussion by, 69.
- ELLISON, EARL JEROME.—Elected an Associate Member, 411.
- ELLSWORTH, LINCOLN.—Transferred to Grade of Associate Member, 478.
- ELY, GEORGE WELLS, JR.—Elected an Associate Member, 577.
- EMERSON, CHARLES ALVIN, JR.—Elected an Associate Member, 316.
- EMERSON, KENNETH BALES.—Elected an Associate Member, 476.
- EMMONS, CHARLES MORTON.—Death announced, 475.
- ENDICOTT, MORDECAI T.—Elected President, 68, 102; Address by, 68, 103, 409, 416; Presides at Meeting, 68, 69, 70, 164, 207, 208, 409, 410, 415, 417, 476; On Committee of Arrangements for Participation in XIIth International Congress of Navigation, 318; Appointed a Member of the John Fritz Medal Board of Award, 579.
- ENGER, MELVIN L.—Discussion by, 576.
- Engineering Education, Committee on.—Progress Report of, 66, 79.
- ENZIAN, CHARLES.—Transferred to Grade of Member, 314.
- ESTES, LEWIS ALDEN.—Elected a Junior, 316.
- EVANS, EDWIN MONTAGUE.—Elected an Associate Member, 165.
- EWALD, ROBERT FRANKLIN.—Elected an Associate Member, 2.
- EWING, WILLIAM BION.—Death announced, 261.
- "Experiments on the Flow of Water in Wood Stave Pipes," presented and discussed, 576.
- FAIDLEY, LLOYD HARRISON.—Elected a Junior, 577.
- FAIRBAIRN, WILLIAM JAMES.—Elected an Associate Member, 577.
- FAIRLEIGH, J. A.—On Committee of Arrangements for Annual Convention, 211.
- FALCONER, DONALD PATTON.—Elected an Associate Member, 476.

FANNING.

- FANNING, JOHN THOMAS.—On Library Committee, 72; Death announced, 163.
- FARRINGTON, WILLIAM ROWE. — Elected a Member, 262.
- FARWELL, CARROLL ANDREW.—Elected an Associate Member, 70.
- FAY, F. H.—On Nominating Committee, 66, 76.
- FEELEY, WILLIAM PATRICK.—Elected a Junior, 263.
- FELGENHAUER, FRANK JOHN.—Transferred to Grade of Associate Member, 317.
- FELLOWS, ABRAHAM LINCOLN. — Elected a Member, 312.
- FERGUSON, JAMES EASTON.—Transferred to Grade of Member, 3.
- FERGUSON, LEWIS REPP.—Transferred to Grade of Associate Member, 71.
- FERRIER, JOSEPH JAMES.—Death announced, 578.
- FESSENDEN, RALPH SETH.—Elected a Member, 262.
- FIFIELD, RALPH HERBERT.—Elected an Associate Member, 165.
- Finance Committee.—Appointment of, 72.
- FISK, C. H.—On Committee of Arrangements for Annual Convention, 211.
- FISK, GEORGE FARNSWORTH.—Elected an Associate Member, 2.
- FITTING, HAROLD HANSEN.—Elected a Junior, 263.
- FITZGERALD, CHRISTOPHER COLUMBUS.—Transferred to Grade of Member, 317.
- FITZGERALD, DESMOND. — Presents Progress Report of Special Committee on Engineering Education, 66, 79.
- FLAD, EDWARD. — Elected Director, 167; On Library Committee, 210.
- FLAGG, HERBERT JUDSON.—Elected a Junior, 477.
- FLAHERTY, EDWARD THOMAS.—Elected an Associate Member, 165.
- FLICK, JOHN KRAMER.—Elected a Junior, 71.
- FLOY, HENRY.—Elected a Member, 312.
- FLOYD, EARL NESBY.—Elected an Associate Member, 476.

FLYNN.

- FLYNN, GEORGE AUGUSTUS.—Elected a Junior, 71.
- FOSTER, FRANK.—Elected a Member, 315.
- FOSTER, ROBERT ARNOLD.—Elected a Member, 530.
- FOSTER, SAMUEL DAVIS.—Elected an Associate Member, 316.
- FOULKROD, FREDERICK SHELTON.—Elected a Junior, 532.
- FOWLER, FREDERICK HALL.—Transferred to Grade of Associate Member, 210.
- FOX, CHARLES LOUIS.—Transferred to Grade of Associate Member, 264.
- FOX, HERMAN HENRY.—Elected an Associate Member, 411.
- FRANCIS, GEORGE B.—Discussion by, 529.
- FRANCIS, GEORGE B., and JOSEPH H. O'BRIEN.—Paper by, 410.
- FRANCISCO, FERRIS LEROY.—Elected a Member, 576.
- FRAZER, JOSEPH HECKART.—Death announced, 413.
- FRENCH, CHAPMAN JOHNSTON. — Elected an Associate Member, 70.
- FRENCH, MANSFIELD JOSEPH.—Transferred to Grade of Member, 412.
- FRIES, AMOS ALFRED.—Elected a Member, 476.
- FROST, GEORGE S.—Appointed Teller to Canvass Ballot on Proposed Amendment to the Constitution, 164.
- FROST, WILLIS GEORGE.—Elected a Junior, 577.
- FRYE, ALBERT I.—Discussion by, 208.
- FULTON, WILLIAM LAWRENCE. — Elected an Associate Member, 476.
- FURBER, ROBERT SAMUEL.—Elected a Junior, 209.
- FYSHE, THOMAS MAXWELL.—Elected an Associate Member, 70.
- GALLAGER, JAMES PELTON.—Elected an Associate Member, 476.
- GARBI, LOUIS, JR.—Elected an Associate Member, 263.
- GARDNER, HENRY JAMES, JR.—Elected a Junior, 532.
- GARDNER, W. M.—On Committee of Arrangements for Annual Convention, 211.

GARDNER.

- GARDNER, WARREN.—Elected an Associate Member, 476.
 GASTON Y ROSELL, FRANCISCO JOSÉ.—Elected an Associate Member, 313.
 GATES, WARREN AUSTIN.—Elected a Junior, 316.
 GAYLER, ERNEST ROTTECK.—Transferred to Grade of Member, 317.
 GEDDES, DONALD YOUNG.—Elected an Associate Member, 577.
 Geographical Distribution of Membership for Purposes of Nominating Committee, 210, 212.
 GEORGE, JAMES ZACHARIAH.—Elected a Member, 2.
 GERBER, EMIL.—Nominated as Director, 481.
 GIBBONEY, FRANKLIN LINCOLN.—Elected an Associate Member, 531.
 GIBBS, GEORGE.—Paper by, 529.
 GIBBS, NATHAN JACKSON.—Elected an Associate Member, 263.
 GIESEY, JESSE K.—Elected an Associate Member, 577.
 GILCHRIST, CHARLES ALLYN.—Elected a Member, 576.
 GILL, EDWARD HALL.—Elected a Junior, 313.
 GILLHAM, PHILIP DAKIN.—Transferred to Grade of Associate Member, 210.
 GILMAN, CHARLES.—Transferred to Grade of Associate Member, 314.
 GLADDING, JAMES NICKERSON.—Elected an Associate Member, 531.
 GOAD, CHARLES ERNEST.—Elected an Associate, 209.
 GODFREY, STUART CHAPIN.—Elected a Junior, 412.
 GOLDBECK, A. T.—Presents paper, 530; Discussion by, 530.
 GOLDING, THOMAS WUND.—Elected an Associate Member, 70.
 GOODMAN, HARRY MINOTT.—Transferred to Grade of Associate Member, 166.
 GOODRICH, E. P.—Discussion by, 575.
 GOODWIN, IRVING DEAN.—Transferred to Grade of Associate Member, 4.
 GOSS, OLIVER PERRY MORTON.—Elected an Associate, 165.
 GOWDY, ROY COTSWORTH.—Elected an Associate Member, 531.

GRABILL.

- GRABILL, L. R.—Discussion by, 69.
 GRAHAM, DOUGLAS BASIL ADAIR.—Elected an Associate Member, 411.
 GRANT, JOHN ROBERT.—Elected an Associate Member, 2.
 GRANT, LLOYD MURRAY.—Elected an Associate Member, 411.
 GRAVELL, WILLIAM HENRY.—Elected an Associate Member, 208.
 GRAY, ROY CECIL.—Elected a Junior, 477.
 GREEN, ARTHUR BROOKS.—Elected a Junior, 71.
 GREEN, NATHANIEL WARREN.—Elected a Junior, 577.
 GREENE, LLOYD WOOLSEY.—Transferred to Grade of Associate Member, 532.
 GREENLAW, RALPH WELLER.—Transferred to Grade of Associate Member, 314.
 GREENMAN, R. S.—Discussion by, 575.
 GREGG, TRESHAM DAMES.—Elected an Associate Member, 263.
 GREGORY, JOHN H.—Awarded the Thomas Fitch Rowland Prize, 5, 66, 76; Discussion by, 311.
 GREIFENHAGEN, EDWIN OSCAR.—Elected an Associate Member, 531.
 GRIEWANK, ARTHUR CARL.—Elected a Junior, 532.
 GRIFFIN, JOHN ALEXANDER.—Elected an Associate Member, 2.
 GRIFFIN, THOMAS STEPHEN.—Elected an Associate Member, 263.
 GRIFFITH, WILLIAM FRANCIS ROELOFSON.—Elected an Associate Member, 263.
 GRISWOLD, HORACE SETH.—Elected a Junior, 71.
 GRUBB, ERNEST.—Elected a Member, 70.
 GRUNSKY, C. E.—Awarded the Norman Medal, 5, 66, 75.
 GUISSINGER, JOHN ADAM.—Elected a Junior, 412.
 GURNEY, LESTER.—Elected a Junior, 577.
 HADSALL, JOSEPH CANBY.—Death announced, 413.
 HAGUE, CHARLES ARTHUR.—Paper by, 311; Discussion by, 311; Death announced, 413.

HAIGHT.

- HAIGHT, HORACE DE REMER.—Transferred to Grade of Member, 71.
 HALCOMBE, NORMAN MARSHALL.—Transferred to Grade of Associate Member, 264.
 HALE, H. M.—Discussion by, 262.
 HALL, JAMES SPENCER.—Elected an Associate Member, 476.
 HALSTEAD, GEORGE ELIAS.—Elected a Junior, 316.
 HAMILTON, WILLIAM EDWARD.—Elected a Member, 3.
 HAMMEL, VICTOR FRANK.—Elected an Associate Member, 531.
 HAMMOND, JOHN MILLER.—Elected an Associate Member, 208.
 HAMMOND, LESTER CLARK.—Elected an Associate Member, 531.
 HANEY, ALBERT PAUL.—Transferred to Grade of Associate Member, 166.
 HANSEL, CHARLES.—Discussion by, 1; Resolution by, Relative to the Appointment of Special Committee on Valuation of Public Utilities, 67, 101; Resignation of, As a Member of the Special Committee on Engineering Education, 167.
 HARBY, ISAAC.—Transferred to Grade of Associate Member, 264.
 HARDY, E. H.—Paper by, 163.
 HARGER, WILSON GARDNER.—Elected an Associate Member, 411.
 HARLEY, GEORGE FOSTER.—Elected an Associate Member, 2.
 HARPER, SINCLAIR OLLASON.—Transferred to Grade of Associate Member, 4.
 HARRIS, GEORGE BRODHEAD.—Elected a Member, 262.
 HARRISON, BURR POWELL.—Elected a Member, 476.
 HARRISON, EDWARD LEE.—Elected an Associate Member, 577.
 HARRISON, RUSSELL EDWIN.—Transferred to Grade of Associate Member, 314.
 HART, LAURANCE HASTINGS.—Elected a Junior, 477.
 HARTMANN, ERNEST F.—Discussion by, 1.
 HARTS, W. W.—On Committee of Arrangements for Annual Convention, 211.

HATCH.

- HATCH, EVERETT HAMILTON.—Transferred to Grade of Associate Member, 578.
 HAUPT, EDWARD.—Elected an Associate, 71.
 HAUPT, LEWIS M.—Discussion by, 1.
 HAUSMAN, ISAAC.—Elected a Junior, 532.
 HAWES, LOUIS EDWIN.—Death announced, 164.
 HAWKINS, IRVING.—Death announced, 210.
 HAWLEY, RALPH STEVENSON.—Elected a Member, 576.
 HAYES, HARRY RIDDEL.—Elected a Junior, 166.
 HAYES, ROY BAGLEY.—Elected an Associate Member, 531.
 HAYLOW, JAMES HENRY.—Transferred to Grade of Member, 478.
 HAZEN, ALLEN.—Presents Motion Relative to the Licensing of Engineers by States, 67, 101; Discussion by, 163.
 HAZEN, JOHN VOSE.—Transferred to Grade of Member, 264.
 HAZEN, RICHARD.—Death announced, 413.
 HAZLEHURST, J. N.—On Committee of Arrangements for Annual Convention, 211.
 HEALY, RALPH FRANCIS.—Elected a Junior, 532.
 HECKLE, GEORGE ROGERS.—Transferred to Grade of Member, 3.
 HEDKE, CHARLES RICHARD.—Elected a Member, 312.
 HELLING, HARRY ALBERTUS.—Elected a Junior, 3.
 HELVERN, DAN EDWIN.—Elected an Associate Member, 70.
 HEM, HALVOR OLSEN.—Elected a Member, 411.
 HENDERSON, G. R.—Discussion by, 529.
 HENDRICK, EDWARD PIERSON.—Elected an Associate Member, 209.
 HENDRICKS, VICTOR KING.—Transferred to Grade of Member, 209.
 HENDRIE, JOHN GIBSON.—Elected a Junior, 412.
 HENLEY, ROBERT DWIGGINS MONTEITH.—Transferred to Grade of Associate Member, 71.

HENNY.

- HENNY, D. C.—Paper by, 312.
 HENOCK, MILTON JACOB.—Elected a Member, 576.
 HERCHKOVITZ, GEORGE EDWARD.—Elected a Junior, 316.
 HERING, RUDOLPH.—Presides at Meeting, 529; Discussion by, 576.
 HERRICK, CHARLES HUBBARD.—Elected a Member, 411.
 HERRON, GEORGE MERRICK.—Transferred to Grade of Associate Member, 413.
 HERSHEY, JOHN LOGAN.—Elected an Associate Member, 70.
 HESLOP, DERWENT GORDON.—Elected an Associate Member, 263.
 HEWERDINE, THOMAS SLOAN.—Elected an Associate Member, 316.
 HEWES, V. H.—Discussion by, 262.
 HEYMAN, WILLIAM.—Elected a Junior, 316.
 HIGGINS, CHARLES HOUCHIN.—Discussion by, 2; Transferred to Grade of Member, 578.
 HIGH, JOE BENTON.—Elected an Associate Member, 531.
 HILL, E. R.—Presents paper, 529.
 HINCKLEY, JOHN FRANKLIN.—Death announced, 166.
 HINDERLIDER, MICHAEL CREED.—Elected a Member, 2.
 HIRAI, KIKUMATSU.—Elected a Junior, 577.
 HJORTH, LAURITZ RASMUS.—Elected a Junior, 316.
 HOARD, CLARENCE.—Elected an Associate Member, 165.
 HOBBS, HENRY WEBSTER.—Elected a Member, 315.
 HODGKINS, HENRY CLARENCE.—Elected a Member, 312.
 HOEFT, GEORGE ELIOT.—Elected a Junior, 71.
 HOGAN, JOHN P.—Paper by, 262; Discussion by, 262.
 HOGUE, CHESTER JAMES.—Transferred to Grade of Member, 314.
 HOLDEN, CHARLES ALEXANDER.—Elected an Associate Member, 165.
 HOLDREDGE, NEIL CUMMINGS.—Elected an Associate Member, 531.
 HOLMES, EDWIN MERRITT.—Death announced, 166.
 HONEYMAN, BRUCE RITCHIE.—Elected an Associate Member, 411.

HOPPER.

- HOPPER, JEAN GEORGES LEFEBVRE.—Elected an Associate Member, 411.
 HORNER, WESLEY WINANS.—Transferred to Grade of Associate Member, 210.
 HORROCKS, JOHN IRVIN.—Elected a Member, 576.
 HORTENSTINE, JAMES WILSON.—Elected an Associate Member, 476.
 HORTON, HORACE E.—Discussion by, 261.
 HOUSER, SHALER CHARLES.—Elected an Associate Member, 411.
 HOVEY, O. E.—On Nominating Committee, 66, 76.
 HOWARD, J. W.—Discussion by, 69.
 HOWARD, JAMES E.—Paper by, 261.
 HOWARD, OLIVER ZELL.—Elected an Associate Member, 165.
 HOWE, HORACE JOSEPH.—Death announced, 72.
 HOWE, WILSON TYLER.—Elected a Member, 576.
 HOWELL, CLEVES HARRISON.—Elected an Associate Member, 165.
 HOWELL, WILLIAM AUGUSTUS.—Transferred to Grade of Member, 314.
 HOYT, WILLIAM HAUSMER.—Elected a Member, 315.
 HUBBARD, PREVOST.—Discussion by, 69.
 HUDSON, C. W.—Discussion by, 164.
 HULBURD, LUCIUS SANFORD.—Elected an Associate Member, 531.
 HULL, GEORGE BECKLEY.—Elected a Member, 262.
 HULSART, CHARLES RAYMOND.—Elected an Associate Member, 70.
 HUNT, CHARLES WARREN.—Elected Secretary, 72; On Library Committee, 72; On Committee of Arrangements for Annual Convention, 211; On Committee on Arrangements for Participation in XIIth International Congress of Navigation, 318; On Committee on Arrangements for Annual Meeting, 580.
 HUNT, WILLIAM HENRY.—Elected a Member, 315.
 HUNTER, ADAM.—Transferred to Grade of Member, 264.

HUNTER.

- HUNTER, JOSEPH W.—Discussion by, 69.
- HUNTER, LEROY LITTLEFIELD.—Transferred to Grade of Associate Member, 578.
- HUTCHINGS, JOHN BACON, JR.—Transferred to Grade of Associate Member, 264.
- HUTCHINS, EVERETT NELSON.—Elected a Junior, 71.
- HUTCHINS, HARRY CROCKER.—Transferred to Grade of Associate Member, 478.
- HUTH, CHRISTIAN.—Elected a Junior, 3.
- HYDE, HOWARD ELMER.—Transferred to Grade of Member, 314.
- INAGAKI, HYOTARA.—Transferred to Grade of Member, 532.
- International Congress of Navigation, XIIth.—Committee on Arrangements for Participation in, 318.
- IRWIN, ORLANDO WILLIAM.—Transferred to Grade of Associate Member, 532.
- JABELONSKY, CARL HUGO.—Transferred to Grade of Associate Member, 314.
- JACKSON, JESSE AARON.—Elected an Associate Member, 165.
- JACKSON, STUART WILSON.—Elected an Associate Member, 209.
- JACOBOSKY, GILBERT GARFIELD.—Transferred to Grade of Associate Member, 314.
- JACOBS, JULIUS LILIEN.—Transferred to Grade of Associate Member, 166.
- JANVRIN, NED HERBERT.—Transferred to Grade of Member, 209.
- JARVIS, CLARENCE SYLVESTER.—Transferred to Grade of Associate Member, 413.
- JENKINS, WILLIAM DUNBAR.—On Committee of Arrangements for Annual Convention, 211.
- JENSEN, CHRISTIAN PETER.—Elected an Associate Member, 70.
- JOHNSON, BEN.—Elected a Member, 312.
- JOHNSON, CHARLES.—Elected an Associate Member, 165.
- JOHNSON, FRANK MELVIN.—Elected a Junior, 71.

JOHNSON.

- JOHNSON, GEORGE A.—Discussion by, 163.
- JOHNSON, THOMAS H.—On Nominating Committee, 66, 77; On Committee on the Valuation of Railroad Property and Other Public Utilities, 479.
- JONES, GRANDVILLE REYNARD.—Transferred to Grade of Associate Member, 264.
- JONES, WILLIAM HENRY.—Elected a Junior, 532.
- JONES, WILLIAM NELSON.—Elected an Associate Member, 531.
- JORGENSEN, LAARS R.—Discussion by, 530.
- JOYNER, FRANK HALL.—Elected a Member, 411.
- JUSTICE, GED HARDY.—Elected an Associate Member, 411.
- JUSTIN, JOEL DEWITT.—Elected an Associate Member, 477.
- KATTE, EDWIN B.—Discussion by, 529.
- KELLER, ARTHUR RIPONT.—Elected an Associate Member, 313.
- KELLOGG, ALBERT VICTOR.—Death announced, 207.
- KELLOGG, N. B.—On Nominating Committee, 66, 77.
- KELLOGG, RAYMOND CLINTON.—Elected a Junior, 209.
- KENDRICK, J. W.—On Committee of Arrangements for Annual Convention, 211.
- KENLY, EDWARD MARION.—Death announced, 413.
- KENYON, ARTHUR TEMPLETON.—Elected an Associate Member, 263.
- KERN, JOSEPH FRANCIS.—Elected an Associate Member, 209.
- KIMBALL, GEORGE A.—On Finance Committee, 72.
- KIMBALL, WILLIAM HALE.—Transferred to Grade of Member, 71.
- KING, CHARLES CYRUS.—Death announced, 72.
- KINGMAN, JOHN JENNINGS.—Elected an Associate Member, 209.
- KINNEAR, WILSON SHERMAN.—Paper by, 476.
- KIRBY, WILLIAM FRANKLIN.—Elected an Associate Member, 70.
- KITCHIN, JOHN WILLIAM.—Elected a Member, 70.

KLAPP.

- KLAPP, EUGENE, and W. J. DOUGLAS.—Paper by, 530.
 KLINGNER, LOUIS WILLIAM.—Elected a Junior, 532.
 KLYCE, BATTLE HARGRAVE.—Elected an Associate Member, 316.
 KNAP, E. D.—Discussion by, 575.
 KNAP, JOSEPH M.—Elected Treasurer, 68, 102; Nominated as Treasurer, 481.
 KNOWLTON, C. F.—Discussion by, 69.
 KOENIG, ARNOLD C.—Paper by, 207.
 KOSS, GEORGE WALTER.—Elected an Associate Member, 313.
 KROME, WILLIAM JULIUS.—Elected a Member, 476.
 KUCHAR, FRANK MILES.—Elected a Junior, 477.
 KUEHNLE, WILLIAM LOUIS.—Elected an Associate Member, 313.
 KUICHLING, E.—Discussion by, 208, 311, 530; Presides at Meeting, 311.
 KUNKEL, JULIUS STEPHEN.—Elected an Associate Member, 165.
 KURASHIGE, TETSUZO.—Elected a Member, 262.
 LALLY, THOMAS EDWARD.—Elected an Associate Member, 263.
 LAMB, RICHARD.—Discussion by, 1.
 LAMSON, WILLIAM MATHER.—Elected an Associate Member, 411.
 LANE, CHARLES ELLIOT.—Elected an Associate Member, 477.
 LANG, PHILIP GEORGE, JR.—Elected an Associate Member, 477.
 LANGLEY, CLARENCE ERWIN.—Elected an Associate Member, 531.
 LATIMER, CLAUDE ALFRED.—Elected a Junior, 532.
 LAVELLE, THOMAS MONAHAN.—Transferred to Grade of Member, 317.
 LAVIS, F.—Discussion by, 2, 475.
 LAWSON, FREDERICK WASHINGTON.—Elected an Associate Member, 313.
 LAXTON, H. F.—Discussion by, 69.
 LEATHER, BASIL HENRY.—Death announced, 576.
 LEE, CHARLES AVERY.—Elected an Associate Member, 531.
 LEE, CHARLES HAMILTON.—Transferred to Grade of Associate Member, 71.
 LEE, FRANK.—Elected a Member, 262.

LEE.

- LEE, GEORGE WILLIAM.—Death announced, 164.
 LEE, ROBERT HILEMAN.—Transferred to Grade of Associate Member, 314.
 LEE, W. S.—On Committee of Arrangements for Annual Convention, 211.
 LEEDS, CHARLES TILESTON.—Transferred to Grade of Associate Member, 210.
 LEETE, PERCY REMINGTON.—Elected an Associate Member, 165.
 LEETE, ROBERT BURT.—Elected a Junior, 3.
 LEGGETT, DWIGHT WALTON.—Elected a Junior, 263.
 LEHMAN, GEORGE MUSTIN.—Elected a Member, 262.
 LEIDY, GEORGE CRAIG.—Elected a Member, 315.
 LEIGHTON, MARSHALL ORA.—Transferred to Grade of Member, 166.
 LEITCH, JOHN.—Elected a Member, 576.
 LENTILHON, EUGENE.—Discussion by, 69.
 LEVY, ALFRED.—Elected an Associate Member, 577.
 LEWERENZ, ALFRED COURTNEY.—Death announced, 315.
 LEWIS, E. C.—Nominated as Director, 481.
 LEWIS, NELSON P.—Discussion by, 69.
 Library.—Classified List of Subjects of Searches Made in, 28; Accessions to the, 25, 135, 173, 218, 272, 326, 433, 486, 540, 586.
 Library Committee.—Appointment of, 72.
 LIGHTNER, GEORGE W. CASS.—Elected a Junior, 166.
 LINCOLN, LEVI BATES.—Elected an Associate Member, 2.
 LINCOLN, SAMUEL BICKNELL.—Elected an Associate Member, 577.
 LINTON, WALTER POWELL.—Elected an Associate Member, 313.
 Local Associations of Members of the American Society of Civil Engineers.—Abstract of Minutes of Meetings of, 14, 170, 171, 215, 216, 268, 269, 324, 430, 483, 536.
 LOCHRIDGE, ELBERT EMERSON.—Transferred to Grade of Member, 314.

LOMBARDO.

- LOMBARDO, JAVIER DIAZ.—Death announced, 210.
- LONG, CLARENCE EDWARD.—Elected a Junior, 412.
- LONGWELL, JOHN STALKER.—Elected a Junior, 477.
- LOOMIS, HORACE.—On Finance Committee, 72; On Committee of Arrangements for Participation in XIIth International Congress of Navigation, 318.
- LORENZ, GEORGE BENJAMIN.—Resignation accepted, 533.
- LOTHROP, HOWARD.—Elected a Member, 312.
- LOUCKES, FRANK IRWIN.—Elected an Associate Member, 2.
- LOUGHRAN, JAMES FRANCIS.—Transferred to Grade of Associate Member, 578.
- LOW, EMILE.—Communication from, Relative to Proposed Change in Size of Society Publications, 410, 421.
- LOWETH, C. F.—On Library Committee, 72.
- LOWRIE, HARVEY CHILDS.—Death announced, 262.
- LUCCHETTI-OTERO, ANTONIO SEBASTIAN.—Elected a Junior, 3.
- LUCIUS, ALBERT.—Discussion by, 261.
- LYDSTON, WALTER EDWARD.—Death announced, 262.
- LYNDE, HARRY MILTON.—Elected a Junior, 209.
- LYON, FREDERIC WILLIAM.—Elected a Junior, 477.
- MACDONALD, JAMES.—Discussion by, 69.
- MACFEETERS, JOHN ORR.—Elected an Associate Member, 477.
- MACKALL, BENJAMIN FRANKLIN.—Death announced, 530.
- MACKALL, JOHN NATHANIEL.—Transferred to Grade of Associate Member, 317.
- MACKINTOSH, LACHLAN.—Elected a Member, 70.
- MACREDIE, JOHN ROBERT CLARKE.—Elected an Associate Member, 465.
- MACY, FRANK HENRY.—Elected a Junior, 3.
- MCALLISTER, DANIEL HANDLEY.—Elected an Associate Member, 411.

MCCAFFREY.

- MCCAFFREY, JOHN WILLIAM.—Elected a Junior, 71.
- MCCLURE, GUY VINCENT.—Elected an Associate Member, 209.
- MCCLURE, JOHN CLARENDON.—Transferred to Grade of Member, 4.
- MCComb, D. E.—Discussion by, 530.
- McCORMICK, RALPH STECK.—Elected a Member, 476.
- McCoy, LAURENCE FRANCIS.—Elected a Member, 576.
- McCULLOUGH, ERNEST.—Discussion by, 475.
- McDERMITH, ORO.—Elected an Associate Member, 313.
- MCDONALD, HARRY L.—Elected an Associate Member, 531.
- MCDONALD, HUNTER.—On Committee of Arrangements for Annual Convention, 211.
- MCDONOUGH, CHARLES JOSEPH.—Elected a Member, 576.
- MCDOWELL, C. E.—Discussion by, 69.
- MCDOWELL, WILLIAM HUNTER.—Elected a Member, 577.
- MCGLASHAN, HARRY DEYOE.—Elected an Associate Member, 531.
- MCGLATHERY, SAM LYON.—Elected an Associate Member, 165.
- MCGONIGLE, CHARLES JOSEPH.—Transferred to Grade of Member, 532.
- MCGRATH, WALLACE.—Death announced, 413.
- McKEAN, HARRY PARKER.—Elected a Junior, 313.
- McKENZIE, ANDREW JACKSON.—Elected an Associate Member, 577.
- McKENZIE, T.—Discussion by, 69.
- McLAUGHLIN, JOHN JOSEPH.—Death announced, 72.
- McLURE, N. L.—Discussion by, 261.
- McPHERSON, ROBERT HENRY.—Transferred to Grade of Member, 314.
- McWILLIAMS, SAMUEL ALEXANDER.—Elected a Junior, 477.
- MALCOLM, WILLIAM DUNCAN.—Elected an Associate Member, 577.
- MALCOMSON, A. S.—Discussion by, 69.
- MALMROS, NILS LORENTZ ALFRED.—Elected a Junior, 71.
- MALONEY, B. A.—Discussion by, 69.
- MANN, JOHN LAROE.—Transferred to Grade of Member, 4.
- MANNING, JAMES HENRY.—Elected an Associate Member, 2.

MANTER.

- MANTER, RALPH BARTON.—Death announced, 264.
 MARSH, ALBERT LEREUX.—Elected an Associate, 477.
 MARSH, FRANCIS BEAL.—Transferred to Grade of Associate Member, 4.
 MARX, CHARLES D.—Nominated as Vice-President, 481.
 MASON, FRANK HENRY.—Elected an Associate Member, 477.
 MATCHAM, CHARLES ARTHUR.—Death announced, 478.
 MAWSON, GEORGE THOMAS.—Elected an Associate Member, 316.
 MAYELL, ALBERT JEFFERSON.—Transferred to Grade of Associate Member, 478.
 MECHLIN, OSCAR ALEXANDER.—Elected an Associate Member, 411.
 MEEKER, R. A.—Discussion by, 69.
 MEIGS, JOHN.—Elected a Member, 208.
 MELTON, ARTHUR POMEROY.—Elected an Associate Member, 411.
 Membership.—Additions, 38, 137, 177, 225, 276, 335, 438, 491, 545, 592; Changes of Address, 180, 228, 279, 344, 440, 495, 549; Resignations, 42, 234, 284, 445, 501, 596; Deaths, 43, 140, 183, 234, 285, 356, 446, 501, 553, 596.
 MENEFEE, FERDINAND NORTHROP.—Elected a Junior, 316.
 MENSCH, L. J.—Discussion by, 530.
 MERRIMAN, FRED KNIGHTS.—Elected an Associate Member, 316.
 METCALF, LEONARD.—Discussion by, 208; On Committee on the Valuation of Railroad Property and Other Public Utilities, 479.
 METCALF, LEONARD, and JOHN W. ALVORD.—Paper by, 208.
 METZGER, FRITZ LOUIS.—Transferred to Grade of Associate Member, 71.
 MEYER, ADOLPH FREDERICK.—Elected an Associate Member, 70.
 MILES, GEORGE FREDERICK.—Elected an Associate Member, 316.
 MILLARD, WILLIAM JOHN.—Transferred to Grade of Associate Member, 314; Paper by, 475.
 MILLER, CROSBY.—Transferred to Grade of Associate Member, 4.
 MILLER, EDWARD THOMAS EVERY.—Elected an Associate Member, 577.

MILLER.

- MILLER, HENRY LANARK.—Transferred to Grade of Associate Member, 578.
 MILLER, JOHN WILLIAM.—Elected an Associate Member, 209.
 MILLER, LEE HAUN.—Elected an Associate Member, 70.
 MILLER, SAMUEL OSGOOD.—Elected a Member, 315.
 Minutes of Meetings of the Board of Direction, 4, 72, 167, 210, 265, 318, 414, 479, 533, 579.
 Minutes of Meetings of the Society, 1, 2, 65, 74, 68, 69, 70, 163, 164, 207, 208, 261, 262, 311, 312, 410, 475, 476, 529, 530, 575, 576.
 MIX, EDGAR HENRY.—Elected a Junior, 263.
 MODY, ARDSHIRE SORAB FRAMROZE.—Elected an Associate Member, 316.
 MOISSEIFF, LEON S.—Discussion by, 261.
 MONCUR, GEORGE.—Elected an Associate Member, 313.
 MONETT, HARRY.—Elected a Junior, 477.
 MONK, PERCY SHELLEY.—Elected a Junior, 316.
 MONTERO, JULIO DANIEL.—Transferred to Grade of Associate Member, 166.
 MONTFORT, RICHARD.—Nominated as President, 579.
 Monthly List of Recent Engineering Articles of Interest, 44, 141, 184, 235, 286, 357, 447, 502, 554, 597.
 MOODY, CLARE JOSEPH.—Elected an Associate Member, 313.
 MOORE, J. S.—Discussion by, 576.
 MOORE, WILLIAM SMELSOR.—Elected a Member, 411.
 MORAN, ROBERT BRECK.—Transferred to Grade of Associate, 315.
 MORGAN, WILLIAM RICHARD.—Elected a Member, 71.
 MORITZ, E. A.—Paper by, 576.
 MORRILL, GEORGE PILLSBURY.—Transferred to Grade of Member, 314.
 MORRIS, CHARLES CHESTER.—Elected an Associate Member, 477.
 MORRISON, ROGER LEROY.—Elected a Junior, 209.
 MORRISON, THOMAS EDWARD.—Elected an Associate Member, 477.
 MORTON, LEON LINCOLN.—Elected an Associate Member, 531.

MOZART.

- MOZART, WILLIAM JACOB.—Transferred to Grade of Member, 71.
 MUESER, WILLIAM.—Discussion by, 575.
 MUIR, ALEXANDER WICLIFFE.—Elected a Junior, 3.
 MUIRHEAD, JAMES HERBERT HAWKSWORTH.—Elected a Member, 476.
 "Mule-Back Reconnaissances," presented and discussed, 475.
 MUNDT, WILLIAM CLYDE.—Elected an Associate Member, 313.
 MURPHY, ALVIN RUSH.—Elected a Junior, 314.
 MURPHY, JAMES CORNELIUS.—Elected a Member, 312.
 MURPHY, JAMES LEO.—Elected an Associate Member, 209.
 MURPHY, LEO FRANCIS.—Elected a Junior, 412.
 MUSSON, CHARLES AUGUSTIN WOODLEY.—Elected an Associate Member, 411.
 National Waterways Commission.—Invitation from, 576.
 NAWN, HUGH.—Elected a Junior, 71.
 NAYLOR, EZRA BOOTH.—Elected a Member, 411.
 NELSON, ELBERT JAMES.—Elected an Associate Member, 577.
 NELSON, ERNEST BENJAMIN.—Elected a Junior, 532.
 NELSON, GEORGE ALFRED.—Elected a Member, 208.
 NELSON, OSCAR BENJAMIN.—Elected an Associate Member, 477.
 New York Public Library.—Address with Reference to Fire Risks in, 208.
 NEWHALL, HENRY LESTER.—Elected an Associate Member, 165.
 NEWTON, JAMES DYNAN.—Elected an Associate, 412.
 NEWTON, S. D.—Discussion by, 530.
 NICHOL, HENRY SCHELL.—Transferred to Grade of Associate Member, 314.
 NISHKIAN, LEON HAGOP.—Elected an Associate Member, 477.
 NITCHIE, FRANCIS RAYMOND.—Elected a Junior, 3.
 NOBLE, ALFRED.—On Committee on the Valuation of Railroad Property and Other Public Utilities, 479.

NOMINATIONS.

- Nominations, Committee on.—Appointment of, 66, 76; Distribution of Membership into Geographical Districts for Purposes of, 210, 212; Presents List of Nominees, 481.
 NORCROSS, ORLANDO WHITNEY.—Elected a Member, 530.
 Norman Medal.—Award of, 5, 66, 75.
 NORRIS, ALEXANDER JOSEPH.—Elected a Member, 476.
 NORTH, EDWARD P.—Discussion by, 69; Death announced, 413.
 NOSKA, GEORGE ALBERT.—Transferred to Grade of Member, 412.
 "Notes on the Bar Harbors at the Entrances to Coos Bay, and Umpqua and Suislaw Rivers, Oregon," presented, 1.
 O'BRIEN, JOSEPH H., and GEORGE B. FRANCIS.—Paper by, 410.
 OCKERSON, JOHN A.—Nominated as President, 481.
 ODONI, VINCENT PHILLIP.—Elected a Member, 209.
 OGDEN, JAMES CLARENCE.—Elected a Member, 476.
 O'HARA, FRANCIS JOSEPH.—Elected an Associate Member, 313.
 O'HARA, J. M.—Paper by, 575.
 OKESON, WALTER RALEIGH.—Elected a Member, 312.
 ORR, DAVID KIRK.—Elected a Member, 208.
 ORRELL, JAMES ATHERSMITH.—Elected an Associate Member, 577.
 ORROK, G. A.—Discussion by, 311.
 OWEN, JAMES.—Discussion by, 69; Presides at Meeting, 530.
 OWENS, HAROLD VAN DYKE.—Elected an Associate Member, 477.
 OXHOLM, T. S.—Discussion by, 530.
 PACKARD, DANIEL BERRY.—Elected an Associate Member, 313.
 PAGE, LOGAN WALLER.—Discussion by, 68, 69; Paper by, 530.
 PAGE, STEPHEN EUGENE.—Elected a Junior, 316.
 PALMER, SHEPARD BROWN.—Elected a Member, 208.
 PARK, CHARLES ABRAHAM.—Elected an Associate Member, 531.
 PARKER, GLENN LANE.—Elected an Associate Member, 316.

PARKER.

- PARKER, HAROLD.—Discussion by, 68, 69.
 PARRIGIN, FRANK SNOW.—Transferred to Grade of Associate Member, 532.
 PARSONS, H. DE B.—Discussion by, 530.
 PARSONS, MAURICE GIESY.—Elected a Junior, 477; Discussion by, 575.
 PARSONS, W. B.—Discussion by, 530.
 PATCH, HOMER AUSTIN.—Death announced, 413.
 PATERSON, CHARLES JUDSON.—Transferred to Grade of Associate Member, 532.
 PATERSON, E. A.—Discussion by, 69.
 PATTON, WILLIAM BAIRD.—Elected a Member, 262.
 PAYNE, GEORGE AMOS.—Elected a Junior, 412.
 PAYNE, JAMES ELWOOD.—Elected a Junior, 314.
 PEARSE, WILLIAM WORTH.—Elected an Associate Member, 411.
 PECK, LEON F.—Discussion by, 69.
 PEGRAM, GEORGE H.—Presides at Meeting, 1, 475.
 PEIZ, CARL EDOUARD.—Elected a Member, 262.
 PEMBERTON, JAMES REX.—Elected a Junior, 263.
 PENDERGRASS, ROBERT ALLEN.—Transferred to Grade of Member, 532.
 PENDLETON, DAVID ELLIOT.—Transferred to Grade of Associate Member, 532.
 PENSE, EDWARD HERBERT.—Elected an Associate Member, 165.
 PERKINS, ALBERT HENRY.—Transferred to Grade of Member, 209.
 PERRINE, HAROLD.—Elected a Junior, 412.
 PERROT, EMILE GEORGE.—Transferred to Grade of Member, 578.
 PERRY, CHARLES EDWARDS.—Elected an Associate Member, 411.
 PETERSON, ARTHUR THEODORE.—Elected an Associate Member, 3.
 PETERSON, OTTO WALLACE.—Elected an Associate Member, 531.
 PETHERAM, GEORGE THOMAS.—Elected an Associate Member, 165.
 PHELAN, FRANK J.—Discussion by, 530.
 PHILBRICK, SHIRLEY SEAYER.—Elected a Member, 576.

PHILBRICK.

- PHILBRICK, BURTON GARFIELD.—Elected an Associate, 531.
 PHILLIPS, JOHN CARLETON.—Elected an Associate Member, 3.
 PHINNEY, CASSIUS MORTON.—Elected an Associate Member, 411.
 PHIPPS, THOMAS ELMER.—Elected an Associate Member, 477.
 PIERCE, HENRY.—Death announced, 413.
 PIERCE, PAUL LEON.—Transferred to Grade of Associate Member, 478.
 PIERCE, THOMAS DAY.—Elected an Associate Member, 411.
 PIKE, RALPH ASHUR.—Transferred to Grade of Associate Member, 71.
 PILLSBURY, FRANKLIN C.—Discussion by, 69.
 PIPER, MERLE BENTLEY.—Elected a Junior, 263.
 PITKETHLY, DAVID T.—Discussion by, 70.
 PODEWILS, OTTO CHARLES JULIUS.—Elected an Associate Member, 3.
 POLLOCK, CARL DE FORREST.—Elected a Junior, 477.
 POORE, HERBERT CARLETON.—Discussion by, 69; Elected a Junior, 71.
 PORTER, JOHN ENDICOTT.—Transferred to Grade of Associate Member, 264.
 PORTER, SAM GRAHAM.—Transferred to Grade of Member, 578.
 POTTER, ALEXANDER.—Discussion by, 207.
 POWERS, JOSEPH A.—Discussion by, 575.
 POWERS, LOUIS.—Elected a Junior, 412.
 PRATT, FRANCIS EVERETT.—Elected a Member, 411.
 PRATT, MASON D.—Discussion by, 262.
 PRATT, ROBERT WINTHROP.—Elected a Member, 312.
 PRESTON, GEORGE HENRY.—Elected an Associate Member, 209.
 PRICE, CHARLES PEARL.—Discussion by, 69; Elected an Associate, 263.
 PRICE, FRANK OLIVER.—Elected an Associate Member, 263.
 PRICE, JOSEPH.—Elected a Junior, 209.
 PRICE, THOMAS ERNEST.—Elected a Junior, 71.

PRICE.

- PRICE, W. G.—Discussion by, 207.
Prizes, Committee to Recommend the Award of.—Report of, 5, 66, 75.
Publication Committee.—Appointment of, 72.
PULLAR, H. B.—Discussion by, 69.
PURVER, GEORGE MOSES.—Elected an Associate Member, 477.
- QUILTY, THOMAS FRANK.—Transferred to Grade of Member, 413.
QUIRK, JAMES FRANCIS.—Elected an Associate Member, 3.
- RABELLO, CESAR DE SA.—Elected a Member, 312.
RALEIGH, WILBUR COLLINS.—Elected an Associate Member, 165.
RAMEY, HORACE PATTON.—Elected an Associate Member, 477.
RAMSBOTHAM, JOSHUA FIELDEN.—Elected an Associate Member, 531.
RANDALL, FRANK ALFRED.—Elected an Associate Member, 577.
RANDLETT, FRED MORSE.—Elected an Associate Member, 531.
RANDOLPH, ORRIN.—Elected an Associate Member, 477.
RANKIN, EDWARD STEVENS.—Elected a Member, 315.
RATHMAN, LOUIS HENRY.—Elected a Member, 262.
RAYMER, ALBERT R.—Paper by, 164.
RAYMOND, WILLIAM G.—On Committee on the Valuation of Railroad Property and Other Public Utilities, 479.
REED, HOWARD SAWYER.—Elected an Associate Member, 477.
REED, WILLIAM THOMAS.—Elected an Associate Member, 165.
REICH, PHILLIP JACOB.—Transferred to Grade of Member, 578.
REICHARDT, W. F.—On Committee of Arrangements for Annual Convention, 211.
REID, JOHN WINFIELD.—Elected an Associate Member, 165.
"Reinforced Concrete Bridge Across the Almendares River, Havana, Cuba," presented and discussed, 530.
REINHARDT, JACOB BRUNN.—Elected an Associate Member, 263.
REMSEN, THOMAS RICHARD.—Elected an Associate Member, 70.

RENSHAW.

- RENSHAW, FRANCIS OREA.—Elected an Associate Member, 3.
Report of Board of Direction, 19, 65, 74.
Report of Board of Direction Relative to Licensing Engineers, 7, 67, 87; Discussion on, 67, 88.
Report of Committee on Bituminous Materials for Road Construction, 66, 82.
Report of Committee on Engineering Education, 66, 79.
Report of Committee on Steel Columns and Struts, 66, 78.
Report of Committee to Recommend the Award of Prizes, 5, 66, 75.
Report of Secretary, 24, 65, 74.
Report of Secretary Relative to Proposed Change in Method of Issuing *Transactions*, 318, 319, 410, 420.
Report of Secretary Relative to Time and Place for Holding Forty-fourth Annual Convention, 410, 417.
Report of Tellers Appointed to Canvass Ballot for Election of Officers, 68, 102.
Report of Tellers Appointed to Canvass Ballot on Proposed Amendment to the Constitution, 164.
Report of Treasurer, 27, 65, 74.
Reports of Committee on Uniform Tests of Cement, 66, 81, 105.
Resolution Relative to Appointment of Special Committee on Valuation of Public Utilities, 67, 101.
Resolutions of the Board of Direction Relative to the Licensing of Civil Engineers, 4, 7, 67.
"Retgression in the Tensile Strength of Cement," presented and discussed, 575.
REUKAUF, WILLIAM CHRISTIAN.—Elected a Junior, 532.
RIBLET, HARRY GAILLARD.—Elected a Junior, 71.
RICE, ELTON.—Elected a Member, 411.
RICE, GEORGE S.—Nominated as Director, 579.
RICH, FLEMING KEEN.—Elected a Junior, 316.
RICHARDS, FREDERICK DAVID.—Elected a Member, 70.
RICHARDSON, CLIFFORD.—Discussion by, 69, 530, 575.

RICHARDSON.

- RICHARDSON, FREDERICK HOSEA.—Elected an Associate Member, 411.
- RICHARDSON, JEREMIAH DANIELS.—Transferred to Grade of Associate Member, 413.
- RICHMOND, WALDEMAR SPAULDING.—Elected an Associate Member, 477.
- RIDGWAY, ARTHUR OSBOURNE.—Elected a Member, 70.
- RIDGWAY, ROBERT.—Elected Director, 68, 102; On Publication Committee, 72.
- RIEGEL, ROSS MILTON.—Transferred to Grade of Associate Member, 166.
- RIGGS, CHARLES ALBERT.—Elected an Associate Member, 313.
- RIGGS, HENRY EARLE.—Paper by, 2.
- RIGHTS, LEWIS D.—Discussion by, 261.
- RIPLEY, THERON MONROE.—Transferred to Grade of Member, 166.
- "Road Construction and Maintenance."—Minutes of Special Meetings for Topical Discussion on, 68, 69; Discussion on, 68, 69.
- Road Construction, Special Committee on Bituminous Materials for.—Progress Report of, 66, 82.
- ROAKE, STEPHEN ALLEN.—Elected an Associate Member, 313.
- ROBERTS, EVELYN PIERREFONT.—Death announced, 163.
- ROBERTS, WILLIAM WILLIAMS, JR.—Elected an Associate Member, 70.
- ROBERTSON, AVALON GRAVES.—Transferred to Grade of Associate Member, 4.
- ROBINSON, ARTHUR PIERCE.—Elected an Associate Member, 577.
- ROBINSON, EDGAR FRANKLIN.—Elected a Member, 312.
- ROBSON, FREDERICK THURSTON.—Elected an Associate Member, 313.
- ROBSON, RALPH EWART.—Elected a Junior, 478.
- ROJAS, PEDRO JOSÉ.—Elected an Associate Member, 70.
- ROLAND, JOHN WILSON.—Elected an Associate Member, 316.
- ROLFE, ROBERT LAWRENCE.—Elected a Junior, 412.
- ROPER, ROSWELL MORTON.—Elected a Junior, 532.

ROSE.

- ROSE, RUDOLF VIEDT.—Transferred to Grade of Member, 166.
- ROSE, WILLIAM HENRY.—Elected an Associate Member, 477.
- ROSENER, LELAND SYLVAN.—Elected an Associate Member, 70.
- ROSHER, EDWARD MARSHALL.—Elected an Associate Member, 411.
- ROSS, CHARLES WILSON.—Discussion by, 69; Elected an Associate, 165.
- ROWELL, GEORGE F.—On Committee of Arrangements for Annual Convention, 211; Lecture by, 410.
- Rowland Prize.—Award of, 5, 66, 76.
- RUCKES, JOSEPH JOHN, JR.—Elected an Associate Member, 71.
- RUFFIN, CHARLES LORRAINE.—Elected a Member, 262.
- RUNDLETT, LEONARD W.—Elected Director, 68, 102.
- RUTH, EDGAR KINGSBURY.—Elected a Junior, 263.
- RYON, HENRY.—Elected an Associate Member, 71.
- San Francisco Association of Members of the American Society of Civil Engineers.—Abstract of Minutes of Meetings of, 170, 215, 268, 430, 483, 536.
- SANDS, EDWARD EMMET.—Elected an Associate Member, 411.
- SARGENT, CHARLES DANIEL.—Elected a Member, 165.
- SARGENT, PAUL DUDLEY.—Discussion by, 69; Elected a Member, 411.
- SAUCEDO, VICENTE.—Discussion by, 70.
- SAUNDERS, FRANK WILLIAM.—Elected an Associate Member, 165.
- SAVILLE, CHARLES.—Elected an Associate Member, 316.
- SAWYER, HOWARD LEWDEN.—Elected an Associate Member, 165.
- SAYERS, EDWARD LAWRENCE.—Transferred to Grade of Associate Member, 4.
- SCAMMELL, JOHN KIMBALL.—Transferred to Grade of Member, 412.
- SCHEDLER, CARL WILLIAM, JR.—Elected a Junior, 263.
- SCHEIDENHELM, FREDERICK WILLIAM.—Elected an Associate Member, 313.
- SCHERER, GEORGE CHEEVER.—Elected an Associate, 477.

SCHERMERHORN.

- SCHERMERHORN, RICHARD, JR.—Transferred to Grade of Member, 478.
 SCHILDHAUER, EDWARD.—Elected a Member, 208.
 SCHMIDT, THEODORE JOHN.—Elected a Junior, 209.
 SCHNEIDER, C. E.—Resignation of, as a Member of Special Committee on Concrete and Reinforced Concrete, accepted, 5.
 SCHREIBER, J. MARTIN.—Discussion by, 2.
 SCHULTZ, CHARLES.—Transferred to Grade of Associate Member, 413.
 SCHUYLER, JAMES DIX.—Discussion by, 70, 312.
 SCHWITZER, JOHN EDWARD.—Death announced, 72.
 SCOTT, DUNBAR DOOLITTLE.—Elected a Member, 576.
 SCOTT, WILLIAM FRY.—Discussion by, 575.
 SEAMAN, JAMES PIERRE.—Elected a Junior, 166.
 SEAMAN, WILLIAM HENRY.—Elected an Associate Member, 313.
 SEARS, ALFRED FRANCIS.—Death announced, 413.
 SEARS, WALTER HERBERT.—Death announced, 530.
 SEAVER, JOHN WRIGHT.—Death announced, 72.
 Secretary.—Report of, 24, 65, 74; Election of, 72; Report of, Relative to Proposed Change in Method of Issuing *Transactions*, 318, 319, 410, 420; Report of, Relative to Time and Place for Holding Forty-fourth Annual Convention, 410, 417.
 SEGUR, ASA BERTRAND.—Elected a Junior, 3.
 SELTZER, HYMEN AARON.—Elected a Junior, 263.
 SERRA, JULIUS HERSCHEL.—Elected a Junior, 3.
 SEXTON, RALPH ERNEST.—Elected an Associate Member, 477.
 SHAFER, JAMES CHARLES FORSYTHE.—Transferred to Grade of Associate Member, 264.
 SHANNON, WILLIAM DAY.—Elected an Associate Member, 577.
 SHARP, HOMER J.—Elected a Junior, 209.
 SHARPLES, P. P.—Discussion by, 69.

SHAUGHNESSY.

- SHAUGHNESSY, CHARLES STEPHEN.—Elected an Associate Member, 313.
 SHAW, ARTHUR MONROE.—Transferred to Grade of Member, 412.
 SHEMA, JOSEPH.—Transferred to Grade of Associate Member, 314.
 SHEPPERD, THOMAS SHACKELFORD.—Elected an Associate Member, 316.
 SHIMA, TAKEJIRO.—Death announced, 207.
 SHIPMAN, C. E.—Discussion by, 475.
 SHIPMAN, EUGENE HICKS.—Elected a Member, 262.
 SHIRLEY, HENRY GARNETT.—Discussion by, 69; Elected a Member, 315.
 SHOEMAKER, JOHN EARL.—Elected an Associate Member, 313.
 SHOEMAKER, MARSHALL NEY.—Transferred to Grade of Member, 4.
 SHUTTS, FRED ORDWAY.—Elected an Associate Member, 477.
 SILSBEE, JAMES ALFRED.—Elected a Junior, 209.
 "Sinking a Wet Shaft," presented and discussed, 262.
 SINZ, EDWARD FREDERICK.—Elected an Associate Member, 412.
 SIRRINE, J. E.—On Committee of Arrangements for Annual Convention, 211.
 SKINNER, F. W.—Discussion by, 164.
 SKORNIAKOFF, EUGENE EUGENIEVICH.—Elected an Associate Member, 263.
 SMALLMAN, RALPH ALCORN.—Elected a Junior, 71.
 SMITH, CLAIBORNE ELLIS.—Elected an Associate Member, 577.
 SMITH, CLAIRE HOWLAND WALLACE.—Elected a Junior, 577.
 SMITH, CLARENCE URLING.—Elected a Junior, 412.
 SMITH, EDWIN GEORGE.—Elected a Member, 315.
 SMITH, F. P.—Discussion by, 69.
 SMITH, GEORGE WASHINGTON.—Elected a Junior, 71.
 SMITH, HENRY BOUTWELL.—Elected a Junior, 314.
 SMITH, JAMES.—Death announced, 478.
 SMITH, JONATHAN RHODES.—Elected an Associate, 577.

SMITH.

- SMITH, LEONARD SEWALL.—Transferred to Grade of Member, 166.
 SMITH, M. H.—Discussion by, 69.
 SMITH, MARION DE KALB, JR.—Transferred to Grade of Associate Member, 413.
 SMITH, ROBERT HALL, JR.—Elected a Junior, 577.
 SMITH, ROY ELMER.—Elected a Junior, 316.
 SMITH, WALTER DORR.—Elected an Associate Member, 316.
 SMITH, WILLIAM BEAUVAIS, JR.—Elected an Associate Member, 316.
 SMYTH, ARTHUR PORTER.—Elected a Junior, 3.
 SNOOK, CURTIS PENDLETON.—Elected a Junior, 264.
 SNOOK, THOMAS EDWARD, JR.—Elected a Junior, 166.
 SNOW, JONATHAN P.—Elected Director, 68, 102; On Library Committee, 72; On Committee on the Valuation of Railroad Property and Other Public Utilities, 479.
 SNYDER, GEORGE D.—Discussion by, 475; Presents discussion, 529.
 SNYDER, HUBERT EARL.—Elected a Junior, 264.
 "Some of the Properties of Oil-Mixed Portland Cement Mortar and Concrete," presented and discussed, 530.
 "Some Tests of Large Steel Columns," presented and discussed, 261.
 SOMNER, FRANCIS GEORGE.—Elected a Member, 411.
 SOO-HOO, PETER.—Elected a Junior, 71.
 SPAULDING, FRANK ALGER.—Elected an Associate Member, 71.
 SPENCER, CHARLES BURR.—Elected a Junior, 478.
 SPENGLER, JOHN HENRY.—Elected a Junior, 314.
 SPITZER, FELIX HENRY.—Elected an Associate Member, 316.
 SPOFFORD, C. M.—Discussion by, 576.
 SPRAGUE, F. J.—Discussion by, 529.
 SQUIRE, HARRY EDWIN.—Transferred to Grade of Associate Member, 314.
 STANFORD, ALBERT FRANKLIN.—Elected an Associate Member, 316.

STANTON.

- STANTON, ROBERT B.—Address by, Relative to Fire Risks in the New York Public Library, 208.
 STARR, FRANK CHARLES.—Elected an Associate Member, 412.
 STEARNS, FREDERIC P.—Discussion by, 208; On Committee on the Valuation of Railroad Property and Other Public Utilities, 479.
 "Steel Centering Used in the Construction of the Rocky River Bridge, Cleveland, Ohio," presented, 312.
 Steel Columns and Struts, Special Committee on.—Progress Report of, 66, 78.
 STEGNER, CLIFFORD MILTON.—Elected an Associate Member, 263.
 STELLHORN, ADOLF.—Elected an Associate Member, 263.
 STEPHENS, ALLEN WHITMORE.—Elected an Associate Member, 313.
 STEPHENS, GEORGE HIPPESEY STANLEY.—Elected an Associate Member, 577.
 STEVENS, ARTHUR LESLIE.—Elected an Associate Member, 531.
 STEVENSON, ERVIN BEECHER.—Elected a Junior, 71.
 STEWART, BENJAMIN FRANKLIN, JR.—Elected an Associate Member, 577.
 STIEVE, WILLIAM MATTHEW.—Elected a Junior, 317.
 STOCKER, EDWARD CHARLES.—Elected a Junior, 209.
 STOCKETT, ALFRED WALTON.—Transferred to Grade of Member, 412.
 STONE, EDWARD HERBERT.—Resignation accepted, 479.
 STORER, N. W.—Discussion by, 529.
 STORRS, HARRY ASAHIEL.—Elected a Member, 312.
 STOTT, HENRY G.—Elected Director, 68, 102; On Finance Committee, 72.
 STRANDBERG, GEORGE ROBERT.—Elected a Junior, 577.
 STREHAN, GEORGE ERNEST.—Elected a Junior, 478.
 STROBEL, CHARLES L.—Elected Vice-President, 68, 102; On Publication Committee, 72.
 STORM, JOHN.—Elected a Junior, 317.
 STROMQUIST, WALTER GOTTFRID.—Elected a Junior, 577.
 STROTHMAN, LOUIS EDWARD.—Elected a Member, 576.

STUART.

- STUART, FRANCIS LEE.—On Publication Committee, 72.
- STUDWELL, CHESTER ARTHUR.—Elected an Associate Member, 531.
- SUDLER, EMORY.—Elected an Associate Member, 412.
- SULLIVAN, VERNON LYLE.—Elected an Associate Member, 313.
- SWAIN, GEORGE F.—Appointed to Represent Society at Sixth Congress of the International Association for Testing Materials, 579.
- SWANITZ, HENRY WADE.—Elected an Associate Member, 263.
- SWEENEY, JOHN BERNARD.—Transferred to Grade of Associate Member, 478.
- SWEETSER, CHARLES HERBERT.—Elected a Member, 411.
- SWIFT, ARTHUR CUNNINGHAM.—Elected a Junior, 317.
- SWINTON, ROY STANLEY.—Elected a Junior, 264.
- TALBOT, ARTHUR N.—On Finance Committee, 72; Elected Vice-President, 167; Discussion by, 261; Presides at Meeting, 410.
- TAYLOR, GRANVILLE LEWIS.—Transferred to Grade of Member, 412.
- TAYLOR, JOHN.—Elected an Associate Member, 263.
- TAYLOR, NELSON.—Elected a Junior, 412.
- TAYLOR, WARREN CROSBY.—Transferred to Grade of Associate Member, 578.
- TAYLOR, WILLIAM DANA.—Death announced, 413.
- TAYLOR, WYLLYS HARD.—Elected an Associate Member, 477.
- TEIGEN, THOMAS WILLIAM ROSTAD.—Death announced, 478.
- Tellers.—Appointed to Canvass Ballot for Election of Officers, 65, 74; Report of. On Vote for Officers, 68, 102; Appointed to Canvass Ballot on Proposed Amendment to the Constitution, 164; Report of. On Vote on Proposed Amendment to the Constitution, 164.
- TERRY, HIRAM EVERETT.—Elected a Member, 312.
- "The Detroit River Tunnel." presented and discussed, 476.

THE.

- "The Going Value of Water-Works," presented and discussed, 208.
- "The Improved Water and Sewage Works of Columbus, Ohio," awarded the Thomas Fitch Rowland Prize, 5, 66, 76.
- "The New York Tunnel Extension of the Pennsylvania Railroad: Certain Engineering Structures of the New York Terminal Area," presented and discussed, 410.
- "The New York Tunnel Extension of the Pennsylvania Railroad: Station Construction, Road, Track, Yard Equipment, Electric Traction, and Locomotives," presented and discussed, 529.
- "The Pittsburg and Lake Erie Cantilever Bridge Over the Ohio River, at Beaver, Pa.," presented and discussed, 164.
- "The Present-Day Pumping Engine for Water-Works," presented and discussed, 311.
- "The St. Croix River Bridge," presented and discussed, 576.
- "The Sewer System of San Francisco, and a Solution of the Storm-Water Flow Problem," awarded the Norman Medal, 5, 66, 75.
- "The Valuation of Public Service Corporation Property," presented and discussed, 2.
- "The Water-Works and Sewerage of Monterrey, N. L., Mexico," presented and discussed, 70.
- THOMAS, JOHN CHARLES.—Elected a Member, 165.
- THOMES, EDWARD CALDERWOOD.—Elected an Associate Member, 577.
- THOMES, EDWIN HOWARD.—Discussion by, 69, 530; Transferred to Grade of Member, 578.
- THOMPSON, EDWARD PERCIVAL.—Transferred to Grade of Associate Member, 413.
- THOMPSON, ROBERT ANDREW.—Transferred to Grade of Member, 4.
- THOMPSON, T. C.—Address by, 409, 415.
- THOMPSON, WILLIAM LOVE.—Elected a Member, 312.
- THOMSON, T. KENNARD.—Discussion by, 207, 262, 575; Nominated as Director, 481.

THOMSON.

- THOMSON, WARREN BROWN.—Transferred to Grade of Associate Member, 210.
- THOMSEN, EDGAR LOUIS.—Elected a Junior, 412.
- THON, GEORGE LOUIS.—Elected an Associate Member, 477.
- THORNE, HOWARD SLOAN.—Elected a Junior, 412.
- THROOP, HENRY GROSVENOR.—Elected an Associate Member, 316.
- THURBER, CLINTON DRAPER.—Transferred to Grade of Member, 166.
- THURSTON, EUGENE TRUE, JR.—Transferred to Grade of Member, 166.
- TILDEN, CHARLES J.—On Nominating Committee, 66, 77.
- TILLSON, GEORGE W.—Discussion by, 1.
- TILTON, BENJAMIN ELLSWORTH.—Elected a Member, 312.
- "Timber Preservation, Its Development and Present Scope," presented and discussed, 1.
- TINGLEY, FRANCIS.—Elected a Junior, 3.
- TISDALE, CHARLES HARRY.—Elected an Associate Member, 531.
- TÖNNESEN, FRIDTHJOF LAURITZ MARTIN.—Death announced, 164.
- TOWER, JAMES WALLACE.—Transferred to Grade of Member, 532.
- TOWER, MORTON L.—Paper by, 1.
- TOWNE, LOCKWOOD JANES.—Elected an Associate Member, 577.
- TOZZER, ARTHUR CLARENCE.—Transferred to Grade of Associate Member, 166.
- Transactions.*—Report of Secretary Relative to Proposed Change in Method of Issuing, 318, 319, 410, 420; Change in Method of Issuing Adopted, 414.
- Transactions and Proceedings.*—Communication Relative to Proposed Change in Size of, 410, 421.
- Treasurer.—Report of, 27, 65, 74.
- TRESISE, FRANCIS JOHN.—Elected a Member, 312.
- TROWBRIDGE, DOUGLAS STANLEY.—Elected a Junior, 209.
- TUFTS, WILLIAM.—Elected a Junior, 314.
- TURNER, ARTHUR HUBESTY.—Elected a Junior, 478.
- TURNER, C. A. P.—Paper by, 576.

TURNER.

- TURNER, JOHN PATRICK.—Elected an Associate Member, 165.
- TURNER, WILLIS TUBBS.—Death announced, 478.
- TUTTLE, ARTHUR S.—On Committee on Arrangements for Annual Meeting, 580.
- "Two Earth Dams of the United States Reclamation Service," presented and discussed, 312.
- TYLER, WILLIAM ROGERS.—Transferred to Grade of Associate Member, 317.
- ULRICH, D.—Appointed Teller to Canvass Ballot for Officers, 65, 74.
- VALLELY, WILLIAM PATRICK.—Elected an Associate Member, 3.
- Valuation of Railroad Property and Other Public Utilities, Committee to Formulate Principles and Methods for.—Resolution Relative to Appointment of, 67, 101; Sub-Committee Appointed to Suggest Personnel of, 210; Appointment of, 479; Appropriation for, 579.
- VANDERKLOOT, WILLIAM JOHN.—Elected an Associate, 263.
- VANDEVANTER, ELLIOTT.—Elected a Junior, 314.
- VAN DIEST, EDMOND CORNELIS.—Elected a Member, 411.
- VAN DUYN, WILMER CHARLES.—Elected a Junior, 412.
- VAN DUZER, WILLIAM ALBIE.—Elected an Associate Member, 316.
- VAN HAGAN, LESLIE FLANDERS.—Elected an Associate Member, 313.
- VAN LOAN, SETH MORTON.—Transferred to Grade of Member, 264.
- VANNEMAN, ARTHUR VOSBURY.—Elected a Junior, 314.
- VAN PETTEN, ALBERT ALEXANDER.—Elected an Associate Member, 577.
- VAN REENEN, REENEN JACOB.—Elected an Associate Member, 477.
- VAUCLAIN, SAMUEL MATTHEWS.—Elected a Member, 576.
- VAUGHAN, LOUIS BERTRAND.—Elected a Member, 70.
- VEHRENKAMP, HENRY WILLIAM.—Transferred to Grade of Member, 317.

VENSANO.

- VENSANO, HARRY CHITTENDEN. — Transferred to Grade of Associate Member, 578.
- VILAR Y BOY, SANTIAGO.—Elected an Associate Member, 531.
- VOLCK, ADALBERT GEORGE.—Transferred to Grade of Associate Member, 578.
- VON PIONTKOWSKI, EDGAR STANISLAUS.—Elected a Member, 2.
- VON SILLER, ALFRED.—Elected an Associate Member, 412.
- WADHAMS, JOSEPH PALMER.—Elected an Associate Member, 531.
- WAGNER, ALLAN JOHN.—Elected an Associate Member, 209.
- WAGNER, HARRY EDWARD. — Transferred to Grade of Member, 314.
- WAIT, BERTRAND H.—Discussion by, 262.
- WALKER, CHARLES LEOPOLD.—Transferred to Grade of Associate, 166.
- WALKER, GEORGE JOHNSON.—Transferred to Grade of Associate Member, 532.
- WALKER, WILLIAM COOPER.—Elected a Junior, 412.
- WALKER, WILLIAM THOMAS.—Elected a Member, 315.
- WALL, E. E.—On Nominating Committee, 66, 77.
- WALL, GEORGE ALBERT.—Elected an Associate Member, 3.
- WALSH, JAMES JOSEPH.—Elected an Associate Member, 412.
- WALTMAN, WILLIAM DEWITT. — Transferred to Grade of Member, 314.
- WARD, RAY ELSÉN.—Elected a Junior, 264.
- WARE, JOHN.—Transferred to Grade of Member, 209.
- WARE, NORTON.—Elected an Associate Member, 577.
- WARFIELD, RALPH MERVINE.—Elected an Associate Member, 412.
- WARNOCK, WILLIAM HAROLD.—Elected a Junior, 209.
- WARRACK, JAMES BALDWIN.—Elected a Junior, 3.
- WARREN, HORACE PRETTYMAN.—Elected an Associate Member, 3.
- "Water Purification Plant, Washington, D. C., Results of Operation," presented and discussed, 163.

WATKINS.

- WATKINS, SAMUEL DALE.—Death announced, 478.
- WATSON, WILBUR J.—Paper by, 312.
- WATSON, WILLIAM PARSONS.—Death announced, 4.
- WAUGH, WILLIAM HAMMOND.—Transferred to Grade of Member, 412.
- WEEKS, HARRY ARTHUR.—Elected an Associate Member, 209.
- WEEKS, JOSEPH L.—Discussion by, 69.
- WEIDENFELLER, RAYMOND PHILIP.—Elected a Junior, 166.
- WEIGMANN, WILLIAM JULIUS.—Elected an Associate Member, 316.
- WELLER, WILLIAM EARL.—Transferred to Grade of Associate Member, 478.
- WELLS, CHESTER GORDON.—Elected a Junior, 314.
- WELLS, GEORGE MILLER. — Transferred to Grade of Member, 4.
- WERBIN, ISRAEL VERNON.—Elected an Associate Member, 209.
- WESTCOTT, FRANK THOMAS.—Elected a Member, 2.
- WESTON, FREDERICK SAMPSON. — Transferred to Grade of Associate Member, 314.
- WESTON, ROBERT SPURR.—Transferred to Grade of Member, 532.
- WEYMOUTH, AUBREY. — Elected a Member, 262.
- WHARF, ALLISON JAMES.—Elected a Member, 208.
- WHEATCROFT, HENRY BELCHER, JR.—Elected a Junior, 314.
- WHINERY, SAMUEL.—Discussion by, 69.
- WHITE, L.—Discussion by, 262.
- WHITE, WILLARD OLNEY.—Transferred to Grade of Member, 4.
- WHITMAN, WILLIAM SATTERWHITE.—Elected a Junior, 264.
- WHITNEY, HARRISON ALLEN.—Elected an Associate Member, 3.
- WHITTEMORE, D. J.—Elected an Honorary Member, 67, 101.
- WHITTET, RUFUS MASON.—Elected an Associate Member, 263.
- WICKHAM, HARRY ROGERS.—Elected an Associate Member, 313.
- WIGGIN, T. H.—Discussion by, 262.
- WIGHOLM, CARL AUGUST.—Elected a Junior, 577.

WILBANKS.

- WILBANKS, JOHN ROBERT.—Transferred to Grade of Associate Member, 413.
- WILDER, CLIFTON WHITE.—Elected an Associate Member, 477.
- WILGUS, HERBERT SEDGWICK.—Transferred to Grade of Member, 314.
- WILGUS, W. J.—Discussion by, 529.
- WILKINS, HOMER JENNER.—Elected a Junior, 532.
- WILKINS, W. G.—On Finance Committee, 72.
- WILLIAMS, FREDERICK CHARLES.—Elected a Member, 262.
- WILLIAMS, GARDNER S.—Presides at Meeting, 2.
- WILLIAMS, JAMES HENRY.—Elected an Associate Member, 313.
- WILLIAMS, MAURICE.—Elected an Associate Member, 71.
- WILLIAMSON, CHARLES SUMNER.—Transferred to Grade of Member, 532.
- WILSON, CLAUDE THOMAS.—Elected a Junior, 577.
- WILSON, HANSON ZIMRI.—Elected an Associate Member, 316.
- WILSON, ROBERT BROWN MURPHY.—Elected an Associate Member, 316.
- WINSOR, GEORGE ALPHA.—Elected a Member, 312.
- WINSOR, H. D.—Appointed Teller to Canvass Ballot for Officers, 65, 74.
- WINTON, WALTER FERRELL.—Elected a Junior, 532.
- WISE, ROBERT EMMET.—Elected an Associate Member, 263.
- WITT, JACKSON FRANKLIN.—Elected an Associate Member, 531.
- WOLFE, FRANK CHARLES.—Elected a Member, 70.

WOLFF.

- WOLFF, ALFRED DANIEL, JR.—Elected a Junior, 166.
- WOLFF, HANS HERMANN.—Transferred to Grade of Member, 412.
- WOLKOWYSKI, ALEXANDER ILICH.—Death announced, 315.
- WONDERS, JAMES C.—Discussion by, 69.
- WOOD, CHARLES WIDNEY.—Death announced, 315.
- WOOD, D. H.—On Committee of Arrangements for Annual Convention, 211.
- WOOD, GEORGE PILLSBURY.—Elected a Member, 312.
- WOODS, HARLAND CLARK.—Elected a Junior, 166.
- WOODWARD, FRANK COY.—Elected an Associate Member, 316.
- WORCESTER, J. R.—Appointed Chairman of Special Committee on Concrete and Reinforced Concrete, 72; Discussion by, 261.
- WORLEY, ALBERT HARRISON.—Elected an Associate Member, 531.
- WRIGHT, G. C.—Discussion by, 69.
- WRIGHT, JOHN B.—Discussion by, 69.
- WRIGHT, OTIS HORD.—Elected an Associate Member, 263.
- WYCKOFF, CHARLES RAPELYEA.—Transferred to Grade of Associate Member, 413.
- WYNN, WESLEY AKERS.—Elected an Associate Member, 209.
- YOST, HOWARD MCCLYMONDS.—Elected a Junior, 314.
- YOUNG, ALEXANDER RIRIE.—Elected an Associate Member, 412.
- YOUNG, OLIVER EARL.—Elected a Junior, 314.
- ZIPSER, MORRIS ERNEST.—Elected an Associate Member, 531.